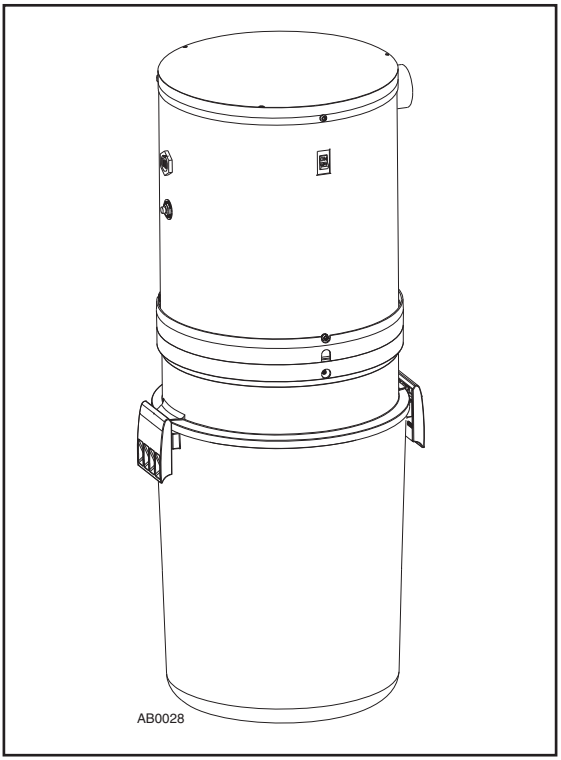
BROAN® NuTone®

CENTRAL VACUUM KITS

⚠ HOUSEHOLD TYPE ⚠

CXKIT400A/HHKIT400A

MODELS NO. SFDB-DD/SFDB-DE



HOMEOWNERS OPERATING INSTRUCTIONS
READ AND SAVE THESE INSTRUCTIONS

Broan-NuTone Canada Inc.;
Mississauga, Ontario
www.broan.ca www.nutone.ca
1-888-882-7626

To register this product,
visit www.broan.ca or www.nutone.ca

30042442 Rev. E

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE.

When using an electric appliance, basic precautions should always be followed, including the following:

WARNING ⚠

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR PERSONAL INJURY:

- Do not use on wet surfaces or outdoors.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dustbag and filter in place.
- Do not use to blow leaves or debris.
- Do not vacuum liquids or fine powders (such as drywall dust).
- Do not put any object on the unit.
- Ensure air flows freely around exhaust outlet.
- Do not install the unit horizontally.
- Do not use the pail as a wash pail.
- Do not use the pail as a stool.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Avoid picking up sharp objects.
- Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- Do not use with damaged cord or plug. If appliance is not working as it should, if it has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not unplug the unit by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Connect to a properly grounded outlet only. See grounding instructions on page 8.
- Any servicing other than that recommended in this manual should be performed by an authorized service facility.
- We recommend that your unit be inspected by a specialized technician once a year.

SAVE THESE INSTRUCTIONS

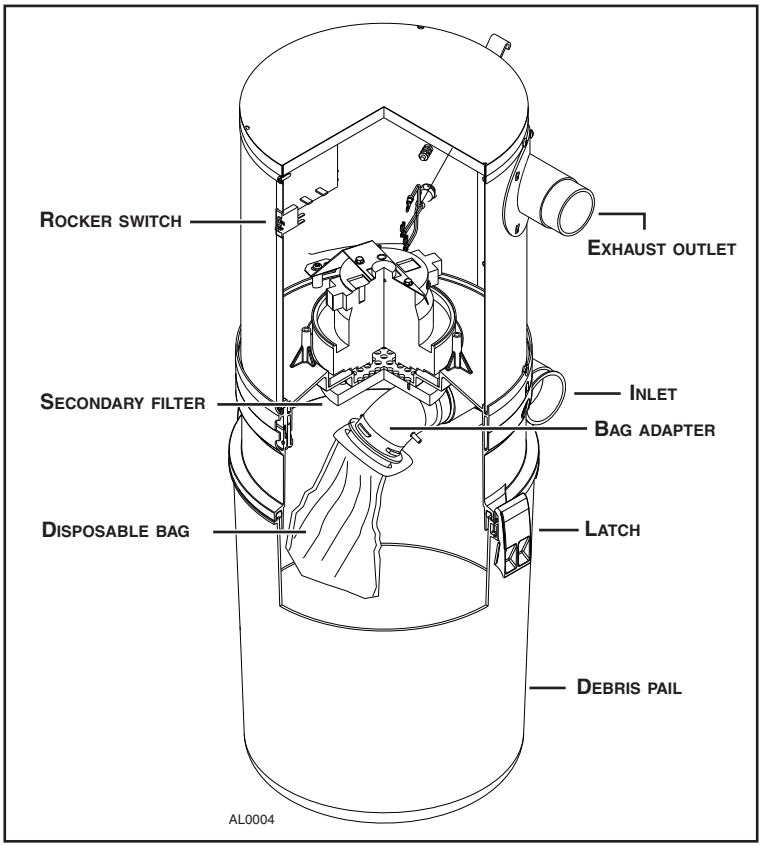
1. OPERATION

The power unit is located away from the everyday living areas of your home — usually in the garage, basement or utility room. Through a network of strong, lightweight tubing, the power unit connects to inlets strategically placed throughout your home. When you are ready to clean, attach the wand and cleaning tool onto the end of the hose. Open the inlet cover and insert the end of the hose into the inlet. Use the ON/OFF switch on the hose handle to activate the power unit. As you vacuum, dirt and dust are transported to the power unit where they remain in a disposable bag.

NOTE: The rocker switch on the front of the power unit can also be used to turn the power unit on.

Use the cleaning tools as you would for any other vacuum cleaner. Avoid picking up pine needles, coffee sticks and other similar objects. These kinds of objects may become lodged in the hose or tubing.

2. DETAILED VIEW



3. WHEN TO CHANGE BAG

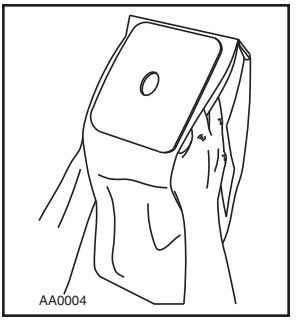
With a 6 U.S. gallons capacity, under normal conditions the bag requires changing approximately twice a year. If the bag is filled, you will notice a complete loss of vacuum in the system. Unless this loss of vacuum is caused by a blockage in the system, changing the bag will solve the problem.

NOTE: Even if not filled to capacity, if the bag seems tightly stretched when removing the debris pail, changing the bag will prevent it from tearing.

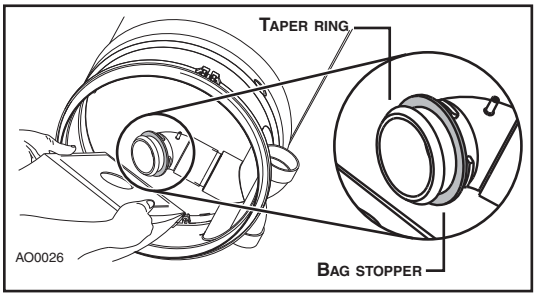
4. BAG REPLACEMENT

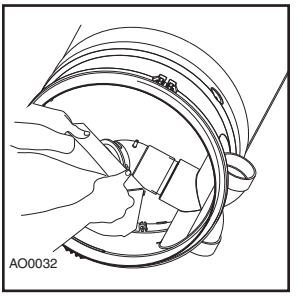
1. To remove the disposable bag, release both latches on sides of the unit by pulling out and then pushing up. Remove the pail from unit. Grasp the edges of the bag collar and pull down. The bag will slide off easily. Do not pull on the bag.

2. Unfold new bag.



3. Grasp collar where indicated on the bag and insert over bag adapter. Be careful not to tear the bag. Ensure that the collar is positioned between the taper ring and the bag stopper on the bag adapter (see illustration below). Put the pail back in its place.





NOTE: A set of 3 replacement bags (model 391C) may be purchased from your local Broan-NuTone Sales Outlet. To locate your nearest Broan-NuTone Sales Outlet, call toll free 1-888-882-7626.

5. SECONDARY FILTER

A secondary safety filter, located at the top of the vacuum chamber provides protection against dirt being pulled into the motor if the disposable bag should accidentally be torn. This filter should be checked and cleaned if necessary, when replacement bag is installed. Simply brush filter clean. If the filter is excessively soiled, wash in a mild detergent and let it dry **completely** before reinstalling.

CAUTION

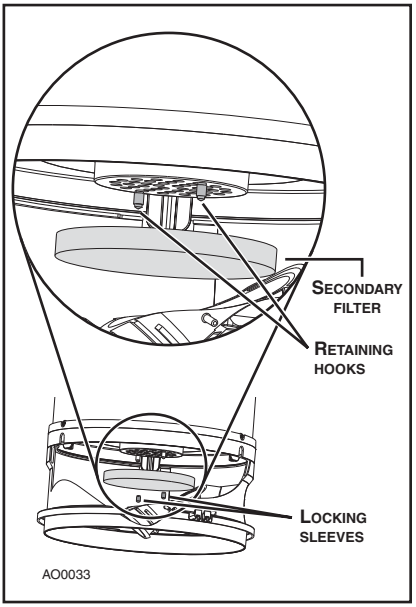
Operating the power unit without the secondary filter will void the warranty.

5.1 REMOVING FILTER

Remove debris pail and disposable bag. Remove both locking sleeves from the retaining hooks. Carefully pull filter down to remove.

5.2 REINSTALLING FILTER

To reinstall the secondary filter, reverse the steps described above.



NOTE: A replacement secondary filter (part no. 10941310) may be purchased from your local Broan-NuTone Sales Outlet. To locate your nearest Broan-NuTone Sales Outlet, call toll free 1-888-882-7626.

⚠ WARNING

When performing installation, servicing or cleaning the unit, it is recommended to wear safety glasses and gloves.

6. POWER UNIT INSTALLATION

6.1 LOCATING THE POWER UNIT

- Locate the power unit away from the general living area in an accessible location for cleaning and maintenance.
- Locate the power unit within 6 feet of a grounded electrical outlet. The power unit requires a 120 VAC power source.
- Do not locate the power unit close to a source of extreme heat (e.g.: water heater) or in an area with a high ambient temperature (e.g.: attic, furnace room).
- If the power unit is located in a closet or a small utility room, make sure the area is well-ventilated (e.g.: with door louvers).

NOTE: Visit www.broan.ca or www.nutone.ca for the central vacuum system installation instructions.

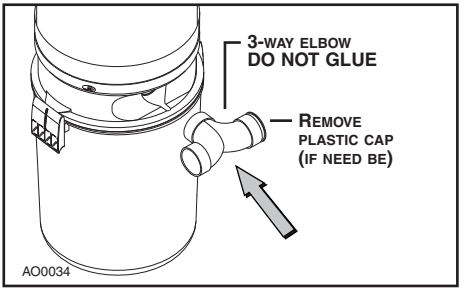
6.2 MOUNTING POWER UNIT

CAUTION

Make sure to assemble the wall mounting bracket with the screws directly onto a wall stud for a solid installation.

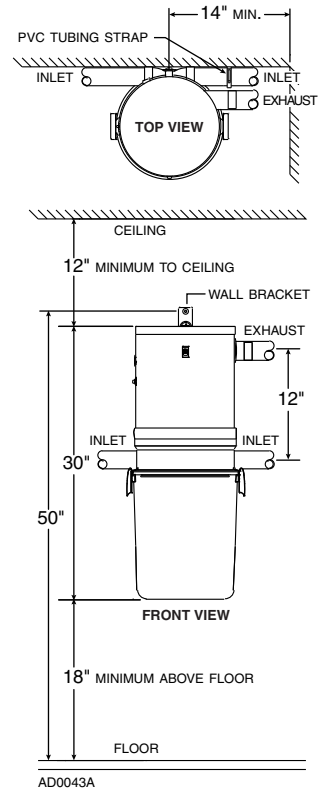
1. Carefully remove debris pail from power unit. Make sure bag is properly installed in power unit. Remove accessories and installation kit. Securely reinstall pail.

2. Install the 3-way elbow on the back of the power unit and press firmly (**do not glue**). Remove the plastic cap from the inlet opening only if your installation requires the connection into both inlets.



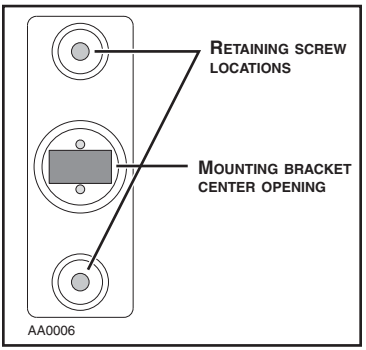
3. Install mounting bracket on a wall stud within 6 feet of a grounded electrical outlet, at the distances specified on illustration at right. Ensure that wall between mounting bracket and inlet is straight and leveled.

MINIMUM WALL CLEARANCE DIMENSIONS



6. POWER UNIT INSTALLATION (CONT'D)

4. Use the mounting bracket as a template to mark the position of its screws. Drill the upper and lower screw holes into the stud using a 3/16" drill bit.



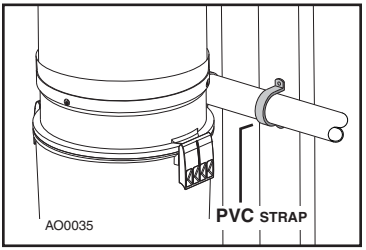
5. Using a Phillips screwdriver, secure the mounting bracket to the wall with 2 no. 14 x 2" screws (included). Make sure that the bracket is tight against the wall.

6. Hang the power unit by inserting its back hook into the center opening of its mounting bracket. Make sure hook is securely engaged in bracket. Secure the power unit to the mounting bracket, with the provided no. 6 x 3/8" screw and washer into the small remaining hole using a Phillips screwdriver (see illustrations at right).

7. Run house vacuum line up to the 3-way elbow located behind the power unit. Secure house vacuum line to the appropriate 3-way elbow opening with PVC glue (**do not glue the 3-way elbow to the power unit**).
8. Connect muffler (if desired) and exhaust tubing to exhaust outlet on upper section of the power unit. The exhaust should not be vented into a wall, ceiling or concealed space in the house. Exterior vented exhaust lines should end using model V142 outside wall cap.

   NOTE: Exhausting the power unit to the outside is recommended for optimal performance but is not required.

9. Once everything is in place, secure the piping (near the elbow) to the wall using the included PVC strap.



7. GROUNDING INSTRUCTIONS

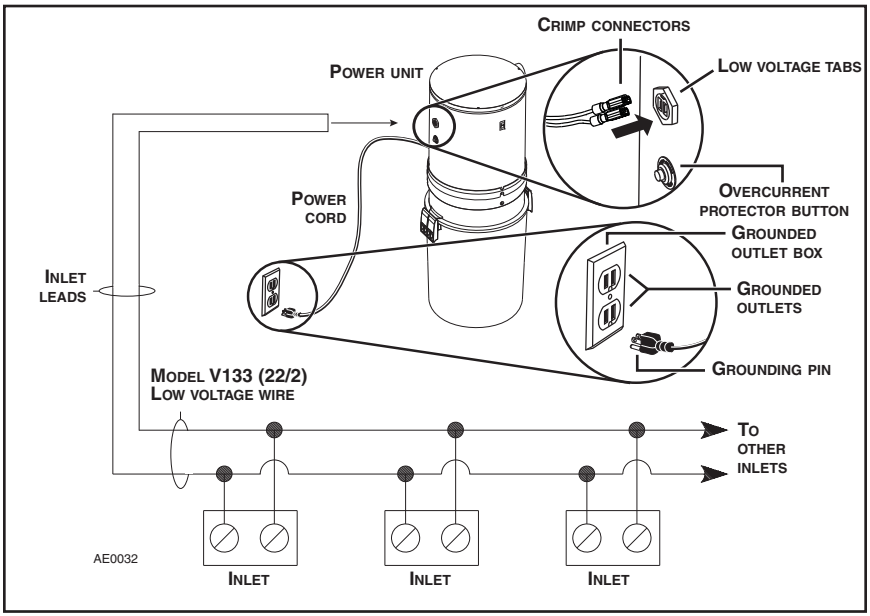
⚠ WARNING

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance — if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current, to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

This appliance is for use on a nominal 120-volt circuit and has a grounding attachment plug that looks like the plug illustrated below. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adapter should be used with this appliance.

1. Using pliers, install both crimp connectors (included) to low voltage wire (22 gauge minimum, 2-conductor, model V133, not included).
2. Connect low voltage wire to tabs located on outside of the power unit.
3. The power unit is equipped with a 6-foot grounded cord. Plug cord into 120-volt grounded receptacle.



NOTE: INLET LEADS TO BE CONNECTED TO POWER UNIT LOW VOLTAGE TABS USING CRIMP CONNECTORS (INCLUDED) AND LOW VOLTAGE HARNESS.

8. ACCESSORY KITS

One of the following kit will be included depending on the power unit model:

STANDARD ACCESSORY KIT INCLUDING:

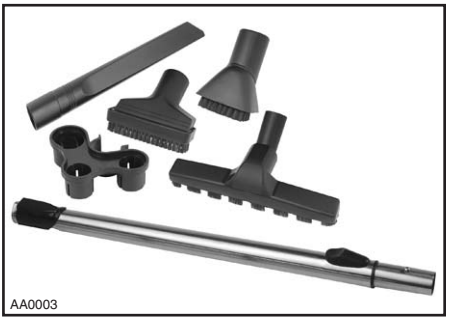
AA0007

- Multi-Surface brush for carpet, tile, wood and ceramic

AA0008

- 30' Low-voltage crushproof hose with 360° rotating handle. Deluxe hose hanger included

- Standard tool set:
  - 10" wide hard floor brush with swivel neck
  - Stainless steel ratchet telescopic wand; from a collapsed length of 25" to an extended length of 41"
  - Natural bristle upholstery tool
  - Square faced dusting brush
  - 9" crevice tool with notched end
  - Clip-on caddy


AA0003

DELUXE ACCESSORY KIT INCLUDING:

AA0017

- Deluxe electric power brush with four-position carpet pile height adjustments.

  Lightweight and easy-to-use aluminum telescopic wand included

AB0015

- 32' Dual-voltage crushproof hose with 360° rotating handle. Deluxe hose hanger included

8. ACCESSORY KITS (CONT'D)

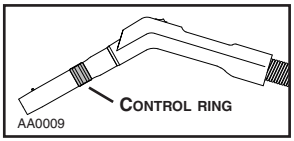
DELUXE ACCESSORY KIT INCLUDING (CONT'D):

- Deluxe tool set:
  - 12" wide hard floor brush with swivel neck
  - Stainless steel ratchet telescopic wand; from a collapsed length of 25" to an extended length of 41"
  - Natural bristle upholstery tool
  - Deluxe square faced dusting brush
  - 12" crevice tool with notched end
  - Clip-on caddy
  - Cloth caddy bag

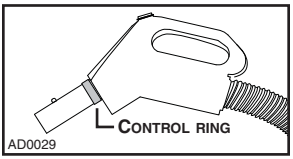
9. VACUUM POWER CONTROL

The hose handle is equipped with a control ring to regulate the air flow. The control ring covers a "bleeder" hole. Open the hole to reduce the suction for cleaning draperies, small rugs, and other light fabrics. Some very thick, plush carpets with high density yarns also require reduced suction to make the nozzle easier to push. Be sure to close the control ring completely over the hole to produce the maximum power required for most other cleaning tasks.

LOW-VOLTAGE HOSE HANDLE



DUAL-VOLTAGE HOSE HANDLE



10. TROUBLESHOOTING GUIDE

PROBLEMS	POSSIBLE CAUSES	POSSIBLE REMEDY
1. Power unit does not start or stops suddenly.	• Defective inlet. Check other wall inlets.	• Replace defective wall inlet.
	• Power unit overcurrent protector has been activated.	• Turn the unit off by using the power switch on the unit. Check the overcurrent protector button located on the left side of the power unit (push to reset the system). Turn unit back on.
	• Blown fuse or tripped circuit breaker on house electrical panel.	• Replace fuse or reset circuit breaker on house electrical panel.
	• Thermoprotector has been activated.	• Turn the unit off by using the power switch on the unit. Wait 30 minutes to let the unit cool down. Turn unit back on.
	• Defective hose.	• Replace hose as required.

10. TROUBLESHOOTING GUIDE (CONT'D)

PROBLEMS	POSSIBLE CAUSES	POSSIBLE REMEDY
2. Loss or decrease of vacuum occurs.	• The plastic cap is not installed on the unused inlet.	• Cover the unused inlet opening with the included plastic cap.
	• Disposable bag is completely full.	• Change disposable bag as described on page 4. NOTE: Clean secondary filter if necessary.
	• Obstruction in the hose. A blockage in the hose can be determined by inserting the hose into any wall inlet and, while power unit is running, check each additional inlet for normal suction by holding the palm of your hand over the open inlet. If normal suction is felt at all other inlets, insert the hose into a second inlet. If the blockage still exists it is located in the hose. However, if the blockage does not occur when the hose is changed, the blockage is probably located in the tubing system leading to the original inlet.	• Disconnect the hose from the wall inlet and insert a blunt instrument into the hose — slightly smaller in diameter — such as a flexible garden hose. Push the garden hose through the cleaning system hose until the obstruction has been cleared.
	• Obstruction in the tubing system inside the walls.	• Insert hose end into any inlet with power unit running, place the palm of your hand over the opposite end of the hose. When you can feel the suction increase, hold your hand over the hose end for a few seconds and then quickly remove your hand. This procedure repeated several times should clear the obstruction. If the blockage is not cleared, contact your nearest Service Center.
	• Wall inlet cover not properly sealed.	• Check all wall inlet covers to be sure they are closed and sealed tightly.
3. Power unit fails to stop when the hose is removed.	• An electrical short has occurred somewhere in the system.	• A complete check of all wall inlets and power unit low voltage control leads connections. Contact your authorized Service Center.

BROAN-NUTONE CANADA INC.

CENTRAL VACUUM POWER UNIT
LIMITED LIFETIME WARRANTY

Broan-NuTone Canada warrants to the original consumer purchaser that its central vacuum power unit will be free from defects in materials and workmanship for as long as you own your home in which it was originally installed with the exception of the motor and electronic components which will be warranted for three (3) years. The first year of this warranty covers the parts and labor in an authorized service center. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

During these time periods, Broan-NuTone Canada will, at its option, repair or replace the power unit or part without charge, which is found to be defective under normal use and service. THIS WARRANTY DOES NOT APPLY TO THE INSTALLATION OR THE PARTS USED IN THE INSTALLED TUBING SYSTEM. All central vacuum hoses, electric or air-driven brushes, filters, attachments and accessories are warranted for one (1) year from the original purchase date with the exception to consumables such as light bulbs and belts.

This warranty does not cover (a) normal maintenance and service or (b) any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repair (other than by Broan-NuTone Canada or an authorized representative), faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the period as specified for the express warranty.

BROAN-NUTONE CANADA'S OBLIGATION TO REPAIR OR REPLACE, AT BROAN-NUTONE CANADA'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. BROAN-NUTONE CANADA SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH PRODUCT USE OR PERFORMANCE. Please do not return your unit to place of purchase. Please visit www.broan.ca or www.nutone.ca for your closest service center. You may also call 1-888-882-7626 for the name of an authorized representative in your area. This warranty supersedes all prior warranties.

Warranty service is to be completed by an authorized Service Center designated by Broan-NuTone Canada. Where applicable, in home service will be made available only in areas where a contracted service provider offers service. If in home service is not available, the product will be repaired or replaced, at Broan-NuTone Canada's discretion, by the nearest authorized service provider. The unit removal and reinstallation works are under the customer responsibility, and Broan-NuTone Canada cannot be charged for them.

To qualify for warranty service, you must notify Broan-NuTone Canada at the address or telephone number stated below. We will then forward you the authorized service depot in your area. You will be required to present evidence of the original purchase date.

IF YOU NEED ASSISTANCE OR SERVICE:
For the location of your nearest Broan-NuTone Canada Inc. dealer:
Dial Toll Free: **1-888-882-7626**

Please be prepared to provide:
Product model number • Date and proof of purchase • The nature of the difficulty

Broan-NuTone Canada Inc.
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Released November 2012

Product specifications subject to change without notice.

Replacement Parts and Repairs

In order to ensure your unit remains in good working condition, you must use Broan-Nutone genuine replacement parts only. Broan-Nutone genuine replacement parts are specially designed for each unit and are manufactured to comply with all the applicable certification standards and maintain a high standard of safety. Any third party replacement part used may cause serious damage and drastically reduce the performance level of your unit, which will result in premature failing. Broan-Nutone recommends to contact a certified service depot for all replacement parts and repairs.